165, 178-179, 191-192, 196-198, 200-204, 211, 214-216, 219, 221-222, 224-226, 232, 241, 243, 246 & 248-249 are unchanged; and

claims 42-44, 54-56, 60-74, 77-78, 83-87, 151-153, 168-173, 186-190, 206-209 & 228-230 are cancelled.

For the PTO's convenience, claims that remain unchanged are included below in order to allow the Examiner to review all pending claims from this response in their numerical order.

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2. **(Four Times Amended)** A method of signal processing in a network, said method comprising the steps of:

transmitting a first signal to at least one of a plurality of stations;

controlling a transmitter station in said network on the basis of said first signal, including:

(1) selecting mass medium programming;

(2) selecting data and incorporating said selected data into one or more control instructions; and

(3) transmitting one or more second signals including said mass medium programming and said one or more control instructions;

controlling a first receiver station in said network on the basis of said transmitted one or more second signals, including:

(1) communicating data included in said one or more second signals to a processor;

(2) selecting at least some of said data to complete or supplement said mass medium programming;

(3) storing said least some of said data; and

(4) presenting at one or more output devices said mass medium programming and first output information content, said first output information

content serving to complete or supplement said mass medium programming and being based on said at least some of said data;

controlling said first or a second receiver station on the basis of said transmitted one or more second signals, including:

(1)   inputting information of the reaction of a subscriber to a presentation of at least one of said mass medium programming and data included in said one or more second signals;

(2)   generating second output information content by processing said inputted information of the reaction of a subscriber; and

(3)   outputting said generated second output information content.

3.   (Unchanged) The method of claim 2, wherein said step of outputting said second output information content is to a transmitter at said first or said second receiver station, said method further comprising the step of transmitting said generated output information content to a remote receiver station.

4.   (Unchanged) The method of claim 2, wherein said step of outputting said second output information content is to a user, said method further having at least one step from the group consisting of:

displaying said generated second output information content at a video monitor;

emitting audio on the basis of said generated second output information content; and

printing said generated second output information content.

5.   **(Twice Amended)**   A method of processing signals in a network, comprising the steps of:

(1)   receiving a first signal at a transmitter station;

(2)   selecting mass medium programming in response to said step of receiving;

(3)   selecting data and incorporating said selected data into one or more control instructions effective to cause one or more receiver stations to:

(a)   store, a first time, said data transmitted from said transmitter station,

(b)   select and store, a second time, at least some of said data which is effective to complete or supplement said mass medium programming,

(c)   present at one or more output devices said mass medium programming and first output information content based on said data stored a second time in order to complete or supplement said mass medium programming,

(d)   input a reaction of a subscriber to said presentation,

(e)   generate second output information content by processing said inputted reaction, and

(f)   output said generated second output information content; and

(4)   transmitting one or more second signals including said mass medium programming and said one or more control instructions.

6.   **(Twice Amended)**   A method of processing signals in a network, comprising the steps of:

(1)   receiving a first signal at a transmission station;

(2)   generating one or more second signals in response to said first signal, said second signals including mass medium programming and one or more control instructions which are effective at one or more receiver stations to:

(a)   present said mass medium programming and first output information content which is effective to complete or supplement said mass medium programming, and

(b)   output second information content based on a subscriber reaction

to a presentation of at least one of said mass medium programming and said first

output information content; and

(3)   transmitting said one or more second signals.

7.   **(Three Times Amended)**   A method of processing signals in a

network, comprising the steps of:

(1)   receiving, at a receiver station, one or more signals including mass

medium programming and one or more control instructions; and

(2)   processing said one or more signals to present at one or more output

devices said mass medium programming and some first information content to complete

or supplement said mass medium programming, and to generate second information

content based on a subscriber reaction to at least one of said mass medium programming

and said first information content.

8.   **(Three Times Amended)**   A method of processing signals in a

network, comprising the steps of:

(1)   receiving a first signal;

(2)   receiving an instruct signal which is effective to cause a transmission

station to incorporate information into one or more second signals based on said first

signal, said second signals including mass medium programming and one or more control

instructions which are effective to:

(i)   enable a receiver station to present said mass medium

programming and first output information content which supplements or

completes said mass medium programming, and to

(ii)   output second information content based on a subscriber reaction to said presentation of at least one of said mass medium programming and said first output information content;

(3)   receiving a transmitter control signal which operates at said transmitter station to communicate said one or more second signals to a transmitter; and

(4)   transmitting said one or more second signals and said transmitter control signal.

9.   **(Three Times Amended)**   A method of enabling a television or radio programming stor̲   ̲rising one

or more storage lo̲   ̲

transmission devic̲   ̲ to or

from said one or m̲   *Check amdt C for*   at least

one of said transmi̲   *Claim 9*   ations to

receive, store, or c̲   steps of:

receiving a ̲   sion or

radio programming having an identification datum and a programming element which is incomplete as regards a class of data;

communicating said signal including television or radio programming to at least one of said one or more storage locations;

storing said signal including television or radio programming at said at least one of said one or more storage locations; and

storing one of an intermediate generation set and a program instruction set at said television or radio programming storage device, said one of an intermediate generation set and a program instruction set including at least some portion of a control signal which designates at least one of said incomplete programming element and said class of data

and which upon command is operative to complete said incomplete programming element,

whereby said television or radio programming storage device is enabled to deliver a complete programming presentation based on user input.

10. (Unchanged) The method of claim 9, wherein said class of data designates programming distributor data, said method further comprising the step of:

receiving and storing said programming distributor data.

11. (Unchanged) The method of claim 9, wherein said class of data designates subscriber data, said method further comprising the step of:

receiving and storing said subscriber data.

12. (Unchanged) The method of claim 9, wherein said control signal comprises sequentially transmitted control instructions, said method further comprising the step of:

receiving and storing in said control signal at least two control instructions in a specific order with information designating a time period.

13. (Unchanged) The method of claim 12, wherein said sequentially transmitted control instructions comprise a message stream, said method further comprising the step of:

receiving and storing instructions which are effective to instruct said processor to process at least one message of said message stream.

14. (Unchanged) The method of claim 9, wherein said one of said intermediate generation set and said program instruction set operates to generate said

control signal by processing information of said class of data, said method further comprising the step of:

receiving and storing generally applicable information of said control signal.

15.   (Unchanged)   The method of claim 14, wherein said generally applicable information of said control signal comprise at least some of a processor instruction, said method further comprising the step of:

receiving and storing one of assembly language code and a signal word to be assembled.

16.   **(Amended)**   The method of claim 14, wherein said generally applicable information of said control signal comprise higher language code and said one of said intermediate generation set and said program instruction set operates to generate said control signal by completing a module including said higher language code, said method further comprising the step of:

receiving and storing instructions which operate to perform at least one of the functions of compiling and linking said one of said module and said higher language code.

17.   (Unchanged)   The method of claim 9, wherein in response to a specific control instruction said processor is organized to generate a user specific datum as part of a series of user specific data, and a processor interrupt signal is inputted to said processor to enable the communication of at least one specific user specific datum to an output device at a specific time, said method further comprising the step of:

receiving and storing at least some of said specific control instruction and said interrupt signal.

18.   (Unchanged)   The method of claim 17, wherein said interrupt signal is inputted to said processor in response to a first control instruction and said interrupt signal causes said processor to clear a specific memory location and place said generated user specific datum at the specific memory location to form a subsequent output, said method further comprises the step of:

receiving and storing said first control instruction.

19.   (Unchanged)   The method of claim 18, wherein a second control instruction causes said processor to cease communicating at least one receiver specific datum to said output device and to commence generating said series of user specific data, said method further comprising the step of:

receiving and storing said second control instruction.

20.   (Unchanged)   The method of claim 9, wherein a control program causes a controller operatively connected to said storage device to control at least one peripheral device, said method further comprising the step of:

receiving and storing said control program.

21.   (Unchanged)   The method of claim 9, wherein a user specific datum is placed at a memory location operatively connected to said processor and is not automatically communicated to an output device when placed at said memory location, said method further comprising the step of:

receiving and storing a control instruction which is effective to instruct the processor to output said memory location to said output device.

22.   (Unchanged)   The method of claim 9, wherein said storage device comprises a memory and wherein said television or radio programming and said one of

said intermediate generation set and said program instruction set are stored on said memory.

23.   (Unchanged)   The method of claim 9, wherein said storage device comprises a network.

24.   (Unchanged)   The method of claim 23, wherein said user input is communicated to a transmission station in said network.

25.   (Unchanged)   The method of claim 23, wherein said user input is received at an ultimate receiver station in said network.

26.   (Unchanged)   The method of claim 9, wherein said storage device comprises a transmitter station.

27.   (Unchanged)   The method of claim 26, wherein said user input includes a schedule, said method further comprising the step of storing said schedule.

28.   (Unchanged)   The method of claim 26, further comprising the step of detecting said user input in one of a television signal and a radio signal.

29.   (Unchanged)   The method of claim 26, further comprising the step of detecting said user input in a signal received from a satellite.

30.   (Unchanged)   The method of claim 26, further comprising the step of detecting said user input in a telephone signal.

31. (Unchanged) The method of claim 9, wherein said step of receiving comprises tuning.

32. (Unchanged) The method of claim 9, wherein said step of communicating is performed by one of a computer and a switch.

33. (Unchanged) The method of claim 7, wherein said step of processing is performed in accordance with said one or more control signals, said method further comprising the step of communicating said control instructions to a processor.

34. (Unchanged) The method of claim 7, wherein said mass medium programming comprises audio, said method further comprising the step of communicating one of said first information content and said second information content to one of a speaker and a video monitor.

35. (Unchanged) The method of claim 7, wherein said mass medium programming comprises video, said method further comprising the step of outputting said second information content in a telephone transmission.

36. (**Amended**) A method of signal processing in a network, said method comprising the steps of:

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transmitting a signal to at least one of a plurality of stations;

controlling a transmitter station on the basis of said signal, the first step of controlling comprising:

(1) assembling at least some of a message stream including at least one processor control instruction; and

(2)   transmitting mass medium programming and said message stream including said at least one processor control instruction;

controlling a first receiver station on the basis of said signal, the second step of controlling comprising:

(1)   receiving some of said mass medium programming and said message stream including said at least one processor control instruction; and

(2)   communicating at least some of said mass medium programming and said at least one message stream including said at least one processor control instruction to a plurality of processor and output devices; and

controlling a second receiver station on the basis of said signal, the third step of controlling comprising:

(1)   selecting generally applicable output information content and communicating said selected generally applicable output information content to an output device; and

(2)   presenting said mass medium programming and said selected generally applicable output information content at at least one output device.

37.   (Unchanged)   The method of claim 36, further comprising the steps of:

generating said at least some of said message stream assembled in said first step of controlling; and

storing said generated at least some of said message stream before performing said step of assembling.

38.   (Unchanged)   The method of claim 36, further comprising the steps of:

inserting data, selected at one of an intermediate transmission station and an ultimate receiver station in said network, into higher language code; and

storing said higher language code and said inserted data before performing said step of assembling.

39.   (Unchanged)   The method of claim 36, wherein said mass medium programming is communicated in response to a control signal, said method further comprising the steps of:

selecting at least one of a television, radio, print, and combined medium programming; and

controlling a selective transmission device to communicate said selected at least one of television, radio, print, and combined medium programming to at least one of a processor and an output device.

40.   (Unchanged)   A method of signal processing in a network, said method comprising the steps of:

selecting mass medium programming at a transmitter station;

selecting data and communicating said selected data at said transmitter station, said selected data effective at at least one receiver station to serve as a basis for

(1)   assembling at least some portion of at least one processor instruction,

(2)   communicating at least some of said mass medium programming based on said assembled at least one processor instruction, and

(3)   presenting said mass medium programming and generally applicable output content at one or more output devices; and

transmitting said selected mass medium programming and said selected data.

41.   (Unchanged)   The method of claim 40, wherein said selected mass medium programming includes at least one of a video, audio, graphics, text, and a combined medium program or program segment.

Please cancel claims 42 to 44.

45. **(Amended)** A method of signal processing in a network having a plurality of receiver stations, said method comprising the steps of:

receiving at at least one receiver station at least one signal transmitted from a remote broadcast or cablecast transmitter station;

assembling at least some of at least one processor instruction at a first of said plurality of receiver stations based on information included in said at least one signal;

communicating at least some part of and outputting a presentation including mass medium programming at a second of said plurality of receiver stations based on information included in said at least one processor instruction assembled at said first of said plurality of receiver stations; and

outputting said mass medium programming and information to at least one of complete and supplement said mass medium programming at a third of said plurality of receiver stations.

46. **(Unchanged)** The method of claim 45, wherein said received at least one signal is a television or radio signal, said method further comprising the step of detecting at least one control instruction in said received at least one signal.

47. **(Amended)** The method of claim 45, wherein said received at least one signal is a multichannel broadcast or cablecast signal, said method further comprising the steps of:

selecting at least some part of said multichannel broadcast or cablecast signal in which to detect one or more control instructions; and

transferring said selected at least some part of said multichannel broadcast or cablecast signal to at least one of a control signal detector and a digital detector.

48.   (**Amended**)   A method of signal processing in a network, said method comprising the steps of:

transmitting a signal to at least one of a plurality of stations;

controlling a transmitter station of said plurality of stations on the basis of said signal, said step of controlling said transmitter station comprising:

(1)   generating information content of a portion of at least one control signal by processing stored information; and

(2)   transmitting mass medium programming and said at least one control signal, said at least one control signal including said information content generated in said step of generating;

controlling a first receiver station on the basis of said signal, said step of controlling said first receiver station comprising:

(1)   receiving at least a portion of said mass medium programming and said at least one control signal; and

(2)   communicating said at least a portion of said mass medium programming and said at least one control signal to a plurality of first processors and first output devices; and

controlling a second receiver station on the basis of said signal, said step of controlling said second receiver station comprising:

(1)   enabling at least one second output device to present output information that at least one of completes and supplements said mass medium programming; and

(2)   presenting, at said at least one second output device, said mass medium programming and said output information that at least one of completes and supplements said mass medium programming.

49.   **(Amended)**   The method of claim 48, further comprising the steps of: assembling at least a portion of a processor instruction in said network based on said generated information content; and

embedding said processor instruction into an information transmission including said mass medium programming, said embedded processor instruction including said assembled at least a portion of said processor instruction.

50.   (Unchanged)   The method of claim 48, further comprising the steps of:

placing , at said transmitter station, said generated information content into higher language code; and

assembling, at said transmitter station, said higher language code and said generated information content.

51.   (Unchanged)   The method of claim 48, wherein said step of controlling said transmitter station further comprises selecting at least a segment of one of a television program, radio program, print program, and combined medium program, said at least a segment comprising at least a portion of said mass medium programming; said method further comprising the step of:

controlling, in response to a second control signal, a selective transfer device to communicate said selected at least a segment of one of a television program, radio program, print program, and combined medium program to one of a second processor and a third output device.

52.   (**Amended**)   A method of signal processing in a network, said method comprising the steps of:

receiving mass medium programming at a transmitter station;

selecting data at said transmitter station;

communicating said selected data at said transmitter station in at least one control signal that, in said network:

(a)   generates information content,

(b)   communicates at least a portion of said mass medium programming and said at least one control signal to a plurality of processors and output devices,

(c)   enables one of said plurality of processors and output devices to do at least one of communicate and present at least one of (i) output information that at least one of completes and supplements said mass medium programming, and (ii) said mass medium programming and said output information; and

transmitting said received mass medium programming and said at least one control signal from said transmitter station.

53.   (Unchanged)   The method of claim 52, wherein said mass medium programming is one of at least a segment of a video program, audio program, print program, television program, and combined medium program.

Please cancel claims 54 to 56.

57.   (**Amended**)   A method of signal processing in a network having a plurality of receiver stations, said method comprising the steps of:

receiving, at at least one of said plurality of receiver stations, at least one signal transmitted from a remote one of a broadcast transmitter station and a cablecast transmitter station;

generating, at said at least one of said plurality of receiver stations, at least a portion of at least one processor instruction, based on first information included in said at least one signal;

controlling, at said at least one of said plurality of receiver stations, at least one of (i) a plurality of processors and (ii) selective transfer devices, to communicate at least a portion of mass medium programming and at least one control signal; and

outputting, at said at least one of said plurality of receiver stations, said mass medium programming and output information that at least one of completes and supplements said mass medium programming.

58.   (Unchanged)   The method of claim 57, wherein said received at least one signal is one of a television signal and a radio signal, said method further comprising the step of detecting at least one control instruction in said received at least one signal.

59.   (**Amended**)   The method of claim 57, wherein said received at least one signal is one of a multichannel broadcast signal and a multichannel cablecast signal, said method further comprising the steps of:

selecting at least a portion of said multichannel signal in which to detect at least one control instruction; and

transferring said selected at least a portion of said multichannel signal to at least one of a control signal detector and a digital detector.

Please cancel claims 60 to 74.

75. **(Amended)** A method of signal processing in a network having at least one origination station and at least one intermediate transmitter station, said method comprising the steps of:

selecting mass medium programming in said network;

selecting computer processing code at one of said at least one origination station and said at least one intermediate transmitter station and communicating said selected computer processing code in at least one control instruction, said at least one control instruction effective at said at least one intermediate transmitter station to store a first signal, select a second signal including said selected mass medium programming, and modify said selected second signal by at least one of incorporating and embedding information into said selected second signal in accordance with said stored first signal; and

transmitting said modified second signal.

76. **(Unchanged)** The method of claim 75, wherein said computer processing code includes at least one of an intermediate generation set, at least a portion of a schedule, a command, and at least one datum designating a file which is effective to serve as a basis for processing at least some of a program instruction set.

Please cancel claims 77 to 78.

79. **(Amended)** A method of signal processing in a network having a plurality of transmitter stations, said method comprising the steps of:

receiving in said network a first signal including computer processing code;

storing said first signal at a first of said plurality of transmitter stations based on information included in said first signal;

receiving and modifying a second signal including mass medium programming at

a second of said plurality of transmitter stations by at least one of incorporating and

embedding information into said selected second signal based on at least one of said

information included in said first signal and information received from said first of said

plurality of transmitter stations; and

transmitting said modified second signal.

80.   (**Amended**)   The method of claim 79, wherein said first signal includes

an intermediate generation set to be transmitted in advance of said second signal, said

method further comprising the step of

transmitting said first signal.

81.   (Unchanged)   The method of claim 79, wherein said received first signal

is one of a multichannel broadcast and a multichannel cablecast signal, said method

further comprising the steps of:

selecting at least a portion of said one of a multichannel broadcast and a

multichannel cablecast signal in which to detect at least one control instruction; and

transferring said selected at least a portion of said one of a multichannel broadcast

and a multichannel cablecast signal to a detector.

82.   (**Amended**)   A method for enabling at least one of a video programming

storage device and an audio programming storage device to deliver information, said at

least one of said video programming storage device and said audio programming storage

device including at least one storage location capable of storing at least one of video

programming and audio programming, a transfer device capable of communicating at

least one of video programming and audio programming at least one of to and from said

at least one storage location, and a processor capable of at least one of (1) controlling

said at least one storage location to at least one of receive, store, and communicate said at least one of video programming and audio programming and (2)   controlling said transfer device to communicate said at least one of video programming and audio programming, said method comprising the steps of:

receiving a signal including said at least one of said video programming and said audio programming;

communicating said received signal including said at least one of said video programming and said audio programming to said at least one storage location;

storing said received signal including said at least one of said video programming and said audio programming at said at least one storage location; and

storing at least one of computer processing code and data pertaining to said at least one of said video programming and said audio programming at said at least one of said video programming storage device and said audio programming storage device.

Please cancel claims 83 to 87.

88.   (**Amended**)   The method of claim 79, wherein said first signal includes an intermediate generation set to be transmitted in advance of said second signal, said method further comprising the step of transmitting at least one of local-formula information and local-item information.

89.   (**Amended**)   The method of claim 79, wherein said first signal includes an intermediate generation set to be transmitted in advance of said second signal, said method further comprising the step of transmitting at least one datum designating a file which is effective to serve as a basis for processing at least a portion of a program instruction set.

90.   (Unchanged)   The method of claim 82, wherein said storage device includes a network.

91.   (Unchanged)   The method of claim 90, wherein said network includes at least one of a broadcast and a cablecast transmitter station.

92.   (Unchanged)   The method of claim 82, further comprising the step of receiving at least one control signal which operates to output said at least one storage location.

93.   (Unchanged)   The method of claim 92, further comprising the step of storing said at least one control signal.

94.   (Unchanged)   The method of claim 92, wherein said control signal comprises a schedule.

95.   **(Amended)**   A method of signal processing in a network, said method comprising the steps of:

transmitting a signal to at least one of a plurality of stations;

controlling a transmitter station on the basis of information communicated with said signal, said step of controlling said transmitter including:

(1)   selecting mass medium programming;

(2)   assembling at least a portion of at least one message including code;

(3)   transmitting said mass medium programming and said at least one message including said code;

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controlling a first receiver station on the basis of said at least one message

including said code, said step of controlling said first receiver station including:

(1)   communicating at least a portion of said transmitted mass medium

programming and said at least one message including said code to a plurality of

processors and selective transfer devices; and

(2)   storing data applicable to said mass medium programming; and

controlling a second receiver station on the basis of said at least one message

including said code, said step of controlling said second receiver station including:

(1)   selecting a portion of generally applicable output information

content and communicating said selected portion of generally applicable output

information content to at least one output device; and

(2)   presenting said mass medium programming and said selected

portion of generally applicable output information content at said at least one

output device.

96.   (Unchanged)   The method of claim 95, further comprising the step of:
receiving said signal from a remote station at said transmitter station.

97.   (Unchanged)   The method of claim 95, wherein said code is machine
language code.

98.   (Unchanged)   The method of claim 95, wherein said code is
downloadable code.

99.   (Unchanged)   The method of claim 95, wherein said assembled at least a
portion of said at least one message includes said code.

100.   (Unchanged)   The method of claim 95, wherein higher language code is processed, said method further comprising the step of:

completing said code by processing information stored in a computer.

101.   (Unchanged)   The method of claim 95, wherein higher language code is processed, said method further comprising the steps of:

assembling code based on said higher language code; and

linking said assembled code.

102.   **(Amended)**   A method of processing signals in a network, comprising the steps of:

(1)   selecting mass medium programming;

(2)   assembling at least a portion of at least one message including code, wherein said at least one message is effective at at least one receiver station to:

(a)   communicate at least a portion of said selected mass medium programming and said at least one message to a plurality of processors and output devices;

(b)   store data applicable to said mass medium programming;

(c)   select a portion of generally applicable output information content; and

(d)   output said selected mass medium programming and said selected portion of generally applicable output information content; and

(3)   transmitting said selected mass medium programming and said at least one message.

103.   **(Amended)**   A method of processing signals in a network, comprising the steps of:

(1)   receiving a signal at a transmitter station;

(2)   assembling at least a portion of at least one message at said transmitter

station, wherein said at least one message includes code and is effective at at least one

receiver station to present mass medium programming and a portion of generally

applicable output information content; and

(3)   transmitting said at least one message.

104.   (**Amended**)   A method of processing signals in a network, comprising

the steps of:

(1)   receiving, in said network, a schedule and at least one message including

code; and

(2)   processing said at least one message according to said schedule to cause at

least one receiver station to output at least one of a combined presentation and a

sequential presentation of mass medium programming and a portion of generally

applicable output information content at at least one output device.

105.   (Unchanged)   A method of processing signals in a network, comprising

the steps of:

(1)   receiving mass medium programming and a schedule;

(2)   assembling code based on said schedule, wherein said code is effective at

at least one receiver station to select a portion of generally applicable output information

content and communicate said selected portion of generally applicable output information

content to at least one output device;

(3)   communicating said mass medium programming to said at least one output

device and said assembled code to a processor; and

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(4)   presenting said mass medium programming and said selected portion of generally applicable output information content at said at least one output device at said at least one receiver station.

106.   **(Amended)**   A method of processing signals in a network, comprising the steps of:

(1)   receiving a signal to be transmitted;

(2)   receiving at least one schedule which is effective to at least one of:

(a)   effect a transmitter station to assemble at least a portion of at least one message, wherein said at least one message includes code and is effective at at least one receiver station to:

(i)   select a portion of generally applicable output information content; and

(ii)   communicate said selected portion of generally applicable output information content to at least one output device; and

(b)   effect said at least one receiver station to:

(i)   assemble said code;

(ii)   select said portion of generally applicable output information content; and

(iii)   communicate said selected portion of generally applicable output information content to said at least one output device;

(3)   receiving a transmitter control signal which operates at said transmitter station to communicate at least one of said at least one schedule and said at least one message to a transmitter; and

(4)   transmitting said signal, said at least one schedule, and said transmitter control signal.

107. **(Amended)** A method of signal processing in a network, said method comprising the steps of:

transmitting a programming signal to at least one of a plurality of stations;

controlling a first transmitter station based on said programming signal, said step of controlling said first transmitter station comprising:

(1) generating information content of at least a portion of a first control signal by processing stored data; and

(2) transmitting mass medium programming and said first control signal including said information content generated in said step of generating;

controlling a first receiver station based on said programming signal, said step of controlling said first receiver station comprising:

(1) processing at least some of said transmitted mass medium programming and said first control signal; and

(2) storing data applicable to said mass medium programming; and

controlling a second receiver station on the basis of said programming signal, said step of controlling said second receiver station comprising:

(1) selecting output information content and communicating said selected output information content to a first output device; and

(2) presenting said mass medium programming and said selected output information content at said first output device.

108. (Unchanged) The method of claim 107, further comprising the step of generating said selected output information content at said second receiver station in response to said first control signal.

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109.   (Unchanged)   The method of claim 107, wherein said selected output information content is generally applicable information related to said mass medium programming, said method further comprising the steps of:

incorporating said generally applicable information into one of processor code and data; and

transmitting said one of processor code and data from said first transmitter station or in said programming signal.

110.   **(Amended)**   The method of claim 107, wherein said output information content is at least one of generated and selected by processing data stored at said second receiver station, said method further comprising the step of storing user information at said second receiver station to serve as a basis for at least one of selecting and generating said output information content.

111.   (Unchanged)   The method of claim 107, further comprising the step of assembling code by processing said generated information content.

112.   **(Amended)**   The method of claim 107, wherein said programming signal includes said mass medium programming, said method further comprising the step of embedding said first control signal in an information transmission including said programming signal before transmitting at least some of said mass medium programming from said first transmitter station.

113.   (Unchanged)   The method of claim 112, wherein said network is one of a broadcast and a cablecast network and said information transmission is one of a multichannel cable signal and a multichannel satellite signal.

114. **(Amended)** The method of claim 107, wherein said programming signal includes only a first portion of said first control signal and said information content generated includes only a second portion of said first control signal, said method further comprising the step of incorporating said second portion into said programming signal.

115. **(Amended)** The method of claim 107, wherein said programming signal includes a second control signal, and said first transmitter station performs at least one of (1) transmitting at least one of said mass medium programming and said first control signal in response to said second control signal, and (2) retransmitting said second control signal.

116. **(Amended)** The method of claim 115, wherein said first control signal includes processor code which causes said second receiver station to generate said selected output information content by processing said stored data, and said second control signal causes at least one of (1) said first receiver station to store said data, (2) said second receiver station to select said selected output information content, and (3) said second receiver station to present at least one of said mass medium and said selected output information content at said at least one output device.

117. **(Unchanged)** The method of claim 107, wherein a second transmitter station receives data based on a subscriber response to at least one of said mass medium programming and said selected output information content presented at said second receiver station.

118. **(Amended)** A method of processing signals in a network, comprising the steps of:

(1) receiving a signal at a transmitter station;

(2) generating, based on said signal, information content of at least a portion of a control signal which is effective at a remote receiver station to process at least some of mass medium programming and said control signal, store data applicable to said mass medium programming, select and communicate some output information content to an output device, and present said mass medium programming and said selected and communicated output information content at said output device; and

(3) transmitting said mass medium programming and said control signal.

119. **(Amended)** The method of claim 118, wherein said mass medium programming is at least one of a duration and an expanse, only some of said at least one of a duration and an expanse including at least one of a time interval and a location of specific relevance, and said control signal is transmitted before at least a portion of said at least one of a time interval and a location.

120. (Unchanged) The method of claim 119, wherein said expanse is an area to be outputted on hardcopy.

121. (Unchanged) A method of processing signals in a network, comprising the steps of:

(1) receiving only some of a control signal at a transmitter station;

(2) generating some control information which is effective at a remote receiver station to perform at least one of (i) generating and ii) selecting some output information content at an output device, said output information content to be presented one of simultaneously and sequentially with mass medium programming and

(3) transmitting said control signal, said control signal including said received some of said control signal and said generated control information.

122. (Unchanged)   The method of claim 121, wherein said only some of said control signal includes only part of a processor code and said generated control information includes a balance of said processor code, said method further comprising the steps of:

incorporating said balance of said processor code into said control signal; and

delivering said control signal and said processor code to a transmitter.

123. (Unchanged)   The method of claim 122, wherein said processor code operates at said remote receiver station to generate, or deliver at one or more of a television monitor and a television storage device, part of a television program, said method further comprising the steps of:

receiving a balance of said television program; and

transmitting said balance of said television program.

124. **(Amended)**   The method of claim 123, wherein said balance of said television program is received in an information transmission including said part of said processor code and said step of incorporating said balance of said processor code into said control signal includes embedding said balance of said processor code into said information transmission.

125. (Unchanged)   The method of claim 124, wherein said part of said processor code includes one or more execution instructions which operate at said remote receiver station to synchronize delivery of said part of said television program and said balance of said television program.

126. (Unchanged)   The method of claim 124, wherein said balance of said processor code includes one or more commands.

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127.   (Unchanged)   The method of claim 126, wherein said one or more commands operate at said remote receiver station to deliver one or more of said balance of said television program and a program instruction set.

128.   (Unchanged)   The method of claim 124, wherein said balance of said processor code operates at said receiver station to generate receiver specific data.

129.   (Unchanged)   The method of claim 124, wherein said balance of said processor code operates at said receiver station to synchronize delivery by placing data at a memory and clearing said memory.

130.   **(Amended)**   The method of claim 123, wherein said balance of said television program is of a duration, only some of said duration including a time interval of specific relevance, said method further comprising the step of transmitting data to serve as a basis for outputting, at said remote receiver station, one or more of video and audio.

131.   (Unchanged)   The method of claim 130, wherein said remote receiver station delivers said one or more of video and audio at said one or more of a television monitor and a television storage device based at least one of a timing control signal and a processor interrupt signal, said method further comprising the step of including in said balance of said processor code said one or more of said timing control signal and said processor interrupt signal.

132.　(Unchanged)　The method of claim 130, wherein said one or more of video and audio includes a receiver specific datum, said method further comprising the step of including in said transmitted data at least one subscriber specific datum.

133.　(Unchanged)　The method of claim 122, wherein said remote receiver station executes at least some of said processor code in response to a processor interrupt signal, said method further comprising the step of including said processor interrupt signal in said balance of said processor code.

134.　(Unchanged)　A method of processing signals in a network, comprising the steps of:

(1)　receiving, at one of a transmitter station and a receiver station in said network, generally applicable information in respect of mass medium programming and only some of a control signal;

(2)　storing data in said network, said data to serve as a basis for completing said control signal;

(3)　processing said generally applicable information and said only some of said control signal in order to select and present at at least a first output device said mass medium programming and output information content to supplement said mass medium programming; and

(3)　presenting said mass medium programming and said output information content to supplement said mass medium programming at said receiver station.

135.　(Unchanged)　The method of claim 134, wherein a first intermediate transmitter station transmits at least one of said mass medium programming and said data to one or more of a second intermediate transmitter station and said receiver station, said method further comprising the step of transmitting one or more storage control signals

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which cause said first intermediate transmitter station to output said at least one of said mass medium programming and said data from a first storage device and transmit said at least one of said mass medium programming and said data and cause said one or more of a second intermediate transmitter station and a receiver station to store said at least one of said mass medium programming and said data at one or more second storage devices.

136.   (Unchanged)   The method of claim 135, further comprising the step of storing information which confirms a transmission of said at least one of said mass medium programming and said data.

137.   **(Amended)**   A method of processing signals in a network, comprising the steps of:

(1)   receiving, at a transmitter station in said network, mass medium programming and a first code which is applicable to said mass medium programming;

(2)   generating information content by processing stored data in response to said first code;

(3)   storing said generated information content in at least one of a second code and data to be processed in accordance with at least one of said first code and said second code; and

(4)   presenting said mass medium programming and output information content to supplement said mass medium programming, said mass medium programming and said supplemental output information content being presented at an output device at a receiver station in said network in accordance with i) at least one of said first code and said second code and ii) said generated information content.

138.   (Unchanged) The method of claim 137, wherein said transmitter station processes a plurality of storage control signals, said method further comprising the steps of:

outputting at least one of said code, said data to be processed in accordance with said code, and said mass medium programming from a storage device in response to a first of said plurality of storage control signals;

transmitting said at least one of said code, said data to be processed in accordance with said code, and said mass medium programming; and

transmitting a second storage control signal of said plurality of storage control signals, said second storage control signal enabling said plurality of receiver stations to store said at least one of said code, said data to be processed in accordance with said code, and said mass medium programming.

139.   (Unchanged) The method of claim 138, wherein said plurality of storage control signals include a schedule.

140.   **(Amended)**   A method of processing signals in a network, comprising the steps of:

(1)   receiving a first programming signal to be transmitted;

(2)   receiving a second programming signal which is effective to accomplish one of:

(a)   effecting a transmitter station to generate information content of some portion of a first control signal which is effective at at least one of plurality of receiver stations to select some output information content and output, at an output device, at least one of a simultaneous and a sequential presentation of said output information selected content and mass medium programming; and

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(b)   effecting a receiver station to generate information, process data applicable to a mass medium programming, select output information content and present said mass medium programming and said output information content at a output device;

(3)   receiving a second control signal which operates to store and communicate at least a portion of at least one of said first programming signal and said second programming signal; and

(4)   transmitting said first programming signal, said second programming signal, and said second control signal.

141.   (Unchanged)   The method of claim 140, wherein said mass medium programming includes television programming and said receiver station is capable of receiving digital television signals having a plurality of expanses, said method further comprising the steps of:

transmitting a first part of said at least one of said first programming signal and said second programming signal in a first of said plurality of expanses; and

transmitting a second part of said at least one of said first programming signal and said second programming signal in a second of said plurality of expanses.

142.   (Unchanged)   The method of claim 141, further comprising the step of transmitting at least one execution instruction which operates at said remote receiver station to control one or more of a portion receiver and a digital detector to pass to a processor said first part and said second part of said at least one of said first programming signal and said second programming signal.

143.   **(Amended)**   The method of claim 141, wherein at least one of said transmitter station and said receiver station assemble information included in said first

part and said second part based on at least one of said first programming signal and said second programming signal.

144. **(Amended)** The method of claim 143, wherein said at least one of said transmitter station and said receiver station generates a data storage address, processes information included at said data storage address, and decrypts information included in said first part and said second part.

145. **(Amended)** The method of claim 144, wherein said receiver station compares information included at least a portion of said second control signal and said first part and said second part to said information stored at said storage address, and performs said decrypting of said information included in said first part and said second part based on a favorable outcome.

146. **(Amended)** A method of signal processing in a network, said method comprising the steps of:

transmitting a command to at least one of a plurality of stations;

controlling a transmitter station based on said command, said step of controlling said transmitter station comprising:

(1)   selecting mass medium programming;

(2)   selecting data and communicating said selected data in control instructions;

(3)   transmitting signals including said mass medium programming and said control instructions;

controlling a first receiver station based on said transmitted signals, said step of controlling said first receiver station comprising:

(1)   processing at least some of said mass medium programming and said control instructions;

(2)   transferring data received in said transmitted signal to at least one of a processor and a storage location;

(3)   presenting, at output devices, said mass medium programming and output information content to complete or supplement said mass medium programming; and

controlling a second receiver station based on said transmitted signals, said step of controlling said second receiver station comprising:

(1)   selecting a datum designating one of said mass medium programming and supplementary output information content applicable to said mass medium programming;

(2)   communicating said selected datum to a transmitter; and

transmitting said selected datum to a third receiver station.

147.   (**Amended**)   The method of claim 146, further comprising the steps of:

generating a signal including said control instructions at said transmitter station;

and

adding said generated signal to an information transmission including said mass medium programming.

148.   (**Amended**)   The method of claim 146, further comprising the steps of:

placing into higher language, at said transmitter station, said selected data; and

assembling said higher language, at at least one of said transmitter station, said first receiver station and said second receiver station.

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149. (**Amended**)   The method of claim 146, wherein said mass medium programming is at least one of television programming radio programming and print programming, said method further comprising the step of controlling a selective transmission transfer device to communicate said selected mass medium programming to said output device at one of said transmitter station, said first receiver station and said second receiver station.

150. (**Amended**)   A method of signal processing in a network, said method comprising the steps of:

selecting mass medium programming at a transmitter station;

selecting data and communicating said selected data, at said transmitter station, in control instructions, said control instructions effective at a receiver station to:

(1)   present, at output devices, said selected mass medium programming and output to at least one of complete and supplement said selected mass medium programming, and

(2)   transmit, to a remote station, at least one datum designating at least one of said mass medium programming and said output to at least one of complete and supplement said selected mass medium programming; and

transmitting said selected mass medium programming and said control instructions.

Please cancel claims 151 to 153.

154. (**Amended**)   A method of signal processing in a network, said method comprising the steps of;

receiving, at at least one receiver station, at least one signal transmitted from one of a remote broadcast transmitter station and cablecast transmitter station;

presenting, mass medium programming and output to at least one of complete and supplement said mass medium programming, at said at least one receiver station based on information included in said at least one signal; and

transmitting, from said at least one receiver station, to a remote station, at least one datum designating at least one of said mass medium programming and said output to at least one of complete and supplement said mass medium programming.

155.   (**Amended**)   The method of claim 154, wherein said at least one signal is at least one of a television signal and a radio signal, said method further comprising the step of:

detecting control instructions in said received signal.

156.   (**Amended**)   The method of claim 154, wherein said received signal is one of a multichannel broadcast signal and cablecast signal, said method further comprising the steps of:

selecting at least some part of said multichannel broadcast signal and cablecast signal in which to detect control instructions; and

transferring said selected at least some part of said multichannel broadcast signal and cablecast signal to at least one of a control signal detector and a digital detector.

157.   (**Amended**)   A method of signal processing in a network, said method comprising the steps of:

selecting mass medium programming at a transmitter station, said mass medium programming having a duration, only some of said duration including a time interval of specific relevance;

selecting data and communicating said selected data, at said transmitter station, in at least one control signal, said data and said control signal effective at receiver stations to:

(1)   generate mass medium programming output to at least one of complete and supplement said selected mass medium programming;

(2)   select, at each of said receiver stations, only a portion of said mass medium programming output to at least one of complete and supplement said selected mass medium programming, said selected portion based on subscriber input; and

transmitting said selected mass medium programming, said selected portion, said data and said at least one control signal.

158.   **(Amended)**   A method of signal processing in a network, said method comprising the steps of:

transmitting a command to at least one of a plurality of stations, said plurality of stations comprising transmitter stations and receiver stations;

controlling a transmitter station on the basis of said command, said step of controlling comprising:

(1)   selecting a signal that includes mass medium programming;

(2)   communicating some digital data to a transmitter; and

(3)   transmitting said selected signal that includes mass medium programming and said communicated digital data to at least one receiver station;

controlling a first receiver station based on said command, said step of controlling comprising:

(1)   selecting a first portion of said transmitted signal;

(2)   storing said selected first portion of said transmitted signal; and

(3)   communicating said selected first portion to an output device based on a timing control instruction;

controlling a second receiver station based on said command, said step of controlling comprising:

(1)   selecting a second portion of said transmitted signal;

(2)   communicating said selected second portion to one or more of a processor and an output device; and

(3)   outputting at least some of said mass medium programming to a subscriber; and

controlling a third receiver station based on said command, said step of controlling comprising:

(1)   selecting a third portion of said transmitted signal;

(2)   communicating said selected third portion to a transmitter; and

(3)   transmitting said selected third portion of said transmitted signal to a fourth receiver station.

159.   **(Amended)**   The method of claim 158, wherein said one or more digital data are included in one or more of a software module, a data module, or an information segment or serve as a basis for selecting meter or monitor information at a receiver station, said method further comprising the step of incorporating said communicated one or more data into said selected signal that includes mass medium programming.

160.   (Unchanged)   The method of claim 158, wherein said timing control instruction is a schedule which specifies one or more of a time to output at least a portion of said transmitter signal and an output device at which to output at least a portion of said transmitted signal.

161.   (Unchanged)   The method of claim 158, wherein said second portion is at least some of a software module, a data module, and an information segment, said method further comprising the step of outputting at said second receiver station a combined or sequential presentation of said some mass medium programming and said second portion.

162.   **(Amended)**   The method of claim 158, wherein said third portion serves as a basis for metering or monitoring the availability, use, or usage at said third receiver station of information included in said transmitted signal.

163.   **(Amended)**   The method of claim 158, further comprising the steps of:

generating in said network at least a portion of a second signal including one or more control instructions; and

embedding said second signal into an information transmission including mass medium programming, said embedded second signal including said generated at least a portion of said second signal includes one or more control instructions.

164.   (Unchanged)   The method of claim 158, further comprising the steps of:

placing data selected at one of an intermediate transmission station and an ultimate receiver station in said network into higher language code; and

assembling said higher language code and said placed data.

165.   (Unchanged)   The method of claim 158, wherein said mass medium programming is communicated in response to a control signal, said method further comprising the steps of:

selecting a television, radio, print, or combined medium program segment; and

controlling a selective transmission device to communicate said selected

television, radio, print, or combined medium program segment to a processor or an output

device.

166. **(Amended)** A method of signal processing in a network, said method

comprising the steps of:

selecting mass medium programming at a transmitter station;

selecting data and communicating said selected data at said transmitter station in

one or more control instructions, said one or more control instructions effective at one or

more receiver stations to select a plurality of portions of a signal including said mass

medium programming, communicate a first of said plurality of portions to an output

device based on a timing signal, communicate a second of said plurality of portions to a

processor, and transmit a third portion of said plurality of portions to a second receiver

station; and

transmitting said selected mass medium programming and said one or more

control instructions.

167. **(Amended)** The method of claim 166, wherein said mass medium

programming includes at least one of a video, audio, print, television, or combined

medium program segment.

Please cancel claims 168 to 173.

174. **(Amended)** A method of signal processing in a network having at least

one intermediate transmission station and at least one ultimate receiver station, said

method comprising the steps of:

transmitting a signal to said at least one ultimate receiver station in said network;

controlling said at least one intermediate transmission station based on information, wherein said information is at least one of: (i) included in said signal and (ii) communicated to be processed with said signal, and wherein said step further comprises:

(1)   generating first output information content; and

(2)   transmitting said first output information content; and

controlling said at least one ultimate receiver station based on said information, wherein said step further comprises:

(1)   generating, in said at least one ultimate receiving station, second output information content; and

(2)   presenting at least a portion of a mass medium programming presentation based on said first output information content and said second output information content.

175.   **(Amended)**   The method of claim 174, wherein said second output information content is generated in accordance with said first output information content, said method further having at least one step selected from the group consisting of:

placing said generated first output information content into higher language code;

assembling said generated first output information content;

linking software including said generated first output information content; and

embedding said first output information content into said signal.

176.   **(Amended)**   The method of claim 174, wherein said signal includes an intermediate-generation-set, said method further comprising the step of storing at least a portion of said signal at said at least one intermediate transmission station.

177.   (Amended)   The method of claim 174, further comprising the step of

receiving at said at least one intermediate transmission station at least one from the group

consisting of:

(1)   local-formula-and-item information;

(2)   formula-and-item-of-this-transmission information;

(3)   generally applicable video, audio, or print;

(4)   an intermediate generation set;

(5)   a program-instruction-set;

(6)   meter-monitor information; and

(7)   a transmission schedule.

178.   (Unchanged)   The method of claim 174, further comprising the steps of:

receiving a timing control signal at said at least one intermediate transmission

station; and

selecting said signal based on said timing control signal.

179.   (Unchanged)   The method of claim 178, wherein said timing control

signal includes a transmission schedule, said method further comprising the step of

receiving at least one identification datum, wherein said at least one identification datum

is effective to select said signal.

180.   (Amended)   The method of claim 174, wherein said mass medium

programming presentation includes video, and wherein said at least said portion of said

mass medium programming presentation is outputted at said at least one ultimate receiver

station in at least one of (1) a simultaneous manner with said video and (2) a sequential

manner with said video.

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181. **(Amended)** The method of claim 174, wherein said mass medium programming presentation includes audio, and wherein said signal includes at least one image , wherein said at least one image is to be presented in at least one of (1) a simultaneous manner with said audio and (2) a sequential manner with said audio.

182. **(Amended)** The method of claim 174, wherein said mass medium programming presentation includes at least one image, and wherein said signal includes a control signal addressed to at least one of (1) a printer and (2) a video output device.

183. **(Amended)** The method of claim 174, wherein said signal is modified bases on at least one of (1) data and (2) a processor control instruction, wherein said at least one of said data and said processor control instruction is included in said signal, said method further comprising the step of inputting at least a portion of said signal to a computer.

184. **(Amended)** The method of claim 174, wherein said signal includes higher language code, said method further comprising the step of assembling said higher language code at at least one of said at least one intermediate transmission station and said at least one ultimate receiver station.

185. **(Amended)** The method of claim 174, wherein said signal includes one of television programming and radio programming, said method further comprising the steps of:

selecting one of an intermediate-generation-set and a program-instruction-set; and

processing stored data in accordance with said selected one of said intermediate-generation-set and said program-instruction-set.

Please cancel claims 186 to 190.

191. (Unchanged) A method of signal processing in a network, said method comprising the steps of:

receiving, at a plurality of receiver stations, at least one signal transmitted from a remote broadcast or cablecast transmitter station;

generating, at a first of said plurality of receiver stations and in response to said at least one signal, at least one instruct signal, wherein said at least one instruct signal is effective at a second of said plurality of receiver stations to generate output information content; and

outputting mass medium programming at said second of said plurality of receiver stations based on said at least one signal and said at least one instruct signal.

192. (Unchanged) The method of claim 191, wherein said at least one signal is one of a television and radio signal, said method further comprising the step of detecting at least one control instruction in said at least one signal.

193. **(Amended)** The method of claim 191, wherein said at least one signal is a multichannel broadcast or cablecast signal, said method further comprising the steps of:

selecting at least a part of said multichannel broadcast or cablecast signal in which to detect at least one control instruction; and

transferring said selected at least said part of said multichannel broadcast or cablecast signal to a at least one of a control signal detector and a digital detector.

194. **(Amended)** The method of claim 191, further comprising the step of transmitting generated output information content from at least one of said first and said second of said plurality of receiver stations based on information, wherein said

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information is at least one of (1) included in said at least one signal and (2) received to be processed with said at least one signal.

195.   (**Amended**)   A method of signal processing in a network, said method comprising the steps of:

transmitting a command to at least one of a plurality of stations;

controlling a transmitter station of said plurality of stations on the basis of said command, said step of controlling said transmitter station comprising:

(1)   selecting mass medium programming to be completed;

(2)   selecting first data;

(3)   embedding said selected first data into at least one control signal;

(4)   transmitting at least one signal including said mass medium programming to be completed and said at least one control signal;

controlling a first receiver station on the basis of said transmitted at least one signal, said step of controlling said first receiver station comprising:

(1)   receiving at least a portion of said mass medium programming to be completed and said at least one control signal; and

(2)   communicating at least a portion of said at least one control signal to one of a first processor and a storage location; and

(3)   presenting, at at least one first output device, complete mass medium programming by outputting said mass medium programming to be completed and output information that completes said mass medium programming to be completed; and

controlling a second receiver station on the basis of said transmitted at least one signal, said step of controlling said second receiver station comprising:

(1)   inputting a subscriber reaction to at least one of said mass medium programming to be completed and said complete mass medium programming;

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(2)   processing said inputted subscriber reaction; and

(3)   selecting information to output on the basis of said step of

processing said inputted subscriber reaction.

196.   (Unchanged)   The method of claim 195, further comprising the steps of:

generating, at said transmitter station, second data; and

embedding, at said transmitter station, said generated second data into said at least

one control signal.

197.   (Unchanged)   The method of claim 196, further comprising the steps of:

placing, at said transmitter station, said generated second data into higher

language code; and

generating machine language code based on said higher language code and said

generated second data.

198.   (Unchanged)   The method of claim 195, further comprising the steps of:

embedding, at said transmitter station, said selected first data into higher language

code; and

generating machine language code based on said higher language code and said

embedded first data.

199.   **(Amended)**   The method of claim 195, wherein said step of selecting

mass medium programming to be completed includes selecting at least a segment of at

least one of a television program, radio program, print program, and combined medium

program; said method further comprising the step of:

controlling a selective transfer device to communicate said selected at least a segment of one of a television program, radio program, print program, and combined medium program to at least one of a second processor and a second output device.

200.   (Unchanged)   A method of signal processing in a network, said method comprising the steps of:

selecting, at a transmitter station, mass medium programming to be completed;

selecting, at said transmitter station, first data, said first data to serve as a basis for completing said mass medium programming to be completed;

communicating said selected first data to said transmitter station in at least one control signal, said at least one control signal effective in said network to output (i) said mass medium programming to be completed and (ii) information that completes said mass medium programming to be completed, said output based on a subscriber reaction to said mass medium programming to be completed; and

transmitting said selected mass medium programming to be completed, said first data, and said at least one control signal.

201.   (Unchanged)   The method of claim 200, wherein said mass medium programming to be completed and said information are outputted at at least one receiver station in said network, said method further comprising the step of transmitting at least one of a video program, audio program, print program, and television program to serve as part of said mass medium programming to be completed.

202.   (Unchanged)   The method of claim 200, further comprising the steps of:

generating, at said transmitter station, second data; and

communicating, at said transmitter station, said generated second data in said at least one control signal.

203.   (Unchanged)   The method of claim 202, further comprising the steps of:

placing, at said transmitter station, said generated second data into higher

language code; and

generating machine language code based on said higher language code and said

generated second data.

204.   (Unchanged)   The method of claim 200, further comprising the steps of:

placing, at said transmitter station, said selected first data into higher language

code; and

generating machine language code based on said higher language code and said

placed first data.

205.   **(Amended)**   The method of claim 200, further comprising the steps of:

selecting at least a segment of one of a television program, radio program, print

program, and combined medium program; and

controlling a selective transfer device to communicate said selected at least a

segment of one of a television program, radio program, print program, and combined

medium program to at least one of a processor and an output device.

Please cancel claims 206 to 209.

210.   **(Amended)**   A method of signal processing to deliver complete mass

medium programming in a network having a plurality of receiver stations, said method

comprising the steps of:

receiving, at at least one of said plurality of receiver stations, at least one signal

transmitted from a remote one of a broadcast transmitter station and a cablecast

transmitter station, said at least one of said plurality of receiver stations having a

processor that is able to control the selection of mass medium programming to be

completed;

selecting, under control of said processor of said at least one of said plurality of

receiver stations, mass medium programming to be completed based on information

included in said at least one signal;

storing at least some of said selected mass medium programming to be completed;

outputting said selected mass medium programming to be completed at said at

least one of said plurality of receiver stations;

processing a subscriber reaction to said selected mass medium programming to be

completed at said at least one of said plurality of receiver stations; and

outputting said complete mass medium programming at said at least one of said

plurality of receiver stations on the basis of said stored at least some of said selected mass

medium programming to be completed.

211. (Unchanged) The method of claim 210, wherein said received at least

one signal is one of a television signal and a radio signal, said method further comprising

the step of detecting at least one control instruction in said received at least one signal.

212. **(Amended)** The method of claim 210, wherein said received at least

one signal is one of a multichannel broadcast signal and a multichannel cablecast signal,

said method further comprising the steps of:

selecting at least a portion of said multichannel signal in which to detect at least

one control instruction; and

transferring said selected at least a portion of said multichannel signal to at least

one of a control signal detector and a digital detector.

213.   (**Amended**)   A method of signal processing in a network having at least

one intermediate transmission station and at least one ultimate receiver station, said

method comprising the steps of:

transmitting to at least one receiver station in said network a signal including at

least a mass medium program segment, said at least a mass medium program segment

having a series of outputs to be displayed or emitted in sound in a predetermined

sequence;

controlling said at least one intermediate transmission station a first time on the

basis of information included in said signal or communicated with said signal, said first

step of controlling comprising the steps of:

(1)   communicating said signal and said at least a mass medium

program segment to a storage location; and

(2)   storing said signal and said at least a mass medium program

segment;

controlling said at least one intermediate transmission station on the basis of

information included in said signal or communicated in advance of at least a portion of

said signal, said second step of controlling comprising the steps of:

(1)   selecting output information content to at least one of complete and

supplement said at least a mass medium program segment;

(2)   communicating said selected output information content to a

transmitter; and

(3)   transmitting said selected output information content to said at

least one ultimate receiver station in, with, or in advance of at least a portion of

said at least a mass medium program segment; and

outputting said mass medium program segment and said selected output

information at said at least one ultimate receiver station in said predetermined sequence.

214.   (Unchanged)   The method of claim 213, wherein said at least a mass medium program segment includes video and said output information content appears at said at least one ultimate receiver station as a video image presented in combination with or sequentially with said video of said at least a mass medium program segment.

215.   (Unchanged)   The method of claim 213, wherein said at least a mass medium program segment includes audio and said output information content is outputted at said at least one ultimate receiver station as sound in combination with or sequentially with said audio of said at least a mass medium program segment.

216.   (Unchanged)   The method of claim 213, wherein said at least a mass medium program segment includes print and said output information content is outputted at said at least one ultimate receiver station as an image printed in combination with or sequentially with said print of said at least a mass medium program segment.

217.   (Amended)   The method of claim 213, wherein said information included in said signal or communicated in advance of said signal includes a transmission schedule, said method further comprising the steps of:

receiving said transmission schedule at said at least one intermediate transmission station in advance of said signal; and

processing information to be included in said signal in accordance with said transmission schedule.

218.   (Amended)   The method of claim 213, wherein said information included in said signal or communicated in advance of said signal includes one or more of local-formula and local-item information communicated in advance of said signal, said method further comprising the steps of:

storing said one or more of local-formula and local-item information; and

processing said stored one or more of local-formula and local-item information in accordance with at least one of information included in said signal and information included in a transmission schedule.

219.   (Unchanged)   The method of claim 218, wherein said one or more of local-formula and local-item information includes at least part of a program instruction set, said method further having at least one step from the group consisting of:

receiving at least a portion of said program instruction set at said at least one intermediate transmission station;

transmitting said program instruction set; and

controlling said at least one ultimate receiver station in accordance with said program instruction set.

220.   **(Amended)**   The method of claim 213, wherein said information included in said signal or communicated in advance of said signal includes computer code, said method further comprising the steps of:

receiving said computer code at said at least one intermediate transmission station; and

selecting at least some portion of at least one of (1) said at least a mass medium program segment and (2) local-formula or local-item information in accordance with said computer code.

221.   (Unchanged)   The method of claim 220, wherein said computer code includes an intermediate generation set.

222.   (Unchanged)   The method of claim 213, wherein one of said at least one

ultimate receiver stations has a plurality of output devices and said at least a mass

medium program segment and said selected output information are outputted at different

ones of said plurality of output devices.

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223.   **(Amended)**   The method of claim 213, further comprising the steps of:

generating in said network at least a portion of one or more control instructions;

and

embedding said at least a portion of one or more control instructions in an

information transmission including mass medium programming.

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224.   (Unchanged)   The method of claim 213, further comprising the steps of:

placing data selected at one of an intermediate transmission station and an

ultimate receiver station in said network into higher language code; and

assembling said higher language code and said data.

225.   (Unchanged)   The method of claim 213, wherein mass medium

programming is communicated in response to a control signal, said method further

comprising the steps of:

selecting a television, radio, print, or combined medium program segment; and

controlling a selective transfer device to communicate said selected television,

radio, print, or combined medium program segment to a processor or an output device.

226.   (Unchanged)   A method of signal processing in a network having one or

more origination stations and one or more intermediate transmission stations, said method

comprising the steps of:

selecting mass medium programming in said network;

selecting data at a particular one of said one or more origination stations and communicating said selected data in one or more control instructions, said one or more control instructions effective at said one or more intermediate transmission stations to store said selected mass medium programming, select output to complete or supplement said mass medium programming, and transmit said mass medium programming and said output to complete or supplement said mass medium programming; and

transmitting said selected mass medium programming and said one or more control instructions.

227. **(Amended)** The method of claim 226, wherein said mass medium programming includes at least one of a video, audio, and print.

Please cancel claims 228 to 230.

231. **(Amended)** A method of signal processing in a network having a plurality of transmitter stations, said method comprising the steps of:

receiving in said network at least one signal transmitted from a remote broadcast or cablecast transmitter station, said at least one signal including mass medium programming, said mass medium programming including audio;

storing said at least one signal at a first of said plurality of transmitter stations based on information included in said at least one signal; and

selecting some output information content at a second of said plurality of transmitter stations based on information included in said at least one signal, said output information content to at least one of complete and supplement said mass medium programming; and

transmitting said at least one signal and said selected output information content in said network.

232. (Unchanged) The method of claim 231, wherein said received at least one signal includes a television or radio signal, said method further comprising the step of detecting one or more control instructions in said received at least one signal.

233. (Amended) The method of claim 231, wherein said received at least one signal includes a multichannel broadcast or cablecast signal, said method further comprising the steps of:

selecting at least some part of said multichannel broadcast or cablecast signal in which to detect one or more control instructions; and

transferring said selected at least some part of said multichannel broadcast or cablecast signal to a at least one of a control signal detector and a digital detector.

234. (Amended) A method for enabling at least one of a television and radio programming storage device to deliver programming, said storage device having a plurality of storage locations each capable of storing at least one of television and radio programming; a transmission device capable of communicating said at least one of television and radio programming to or from each of said plurality of storage locations; and a processor, controller, or computer for controlling at least one of said storage locations to receive, store, or communicate said at least one of television and radio programming or for controlling said transmission device to communicate said at least one of television and radio programming, said method comprising the steps of:

receiving a signal including said at least one of television and radio programming;

selecting at least one of said plurality of storage locations;

communicating said received signal including said at least one of television and radio programming to said selected at least one of said plurality of storage locations;

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storing said received signal including said at least one of television and radio programming at said selected at least one of said plurality of storage locations; and

storing an intermediate generation set in respect of said at least one of television and radio programming at said at least one of a television and radio programming storage device.

235. **(Amended)** The method of claim 234, wherein said at least one of television and radio programming storage device comprises a transmitter station.

236. **(Amended)** The method of claim 234, wherein said at least one of television and radio programming storage device comprises a receiver station.

237. **(Amended)** The method of claim 234, wherein said at least one of television and radio programming storage device comprises a network having at least one transmitter station and at least one receiver station.

238. **(Amended)** A method of signal processing in a network, said method comprising the steps of:

transmitting a first signal to at least one of a plurality of receiver stations, said plurality receiver stations including at leastone transmitter station;

controlling said at least one transmitter station on the basis of said first signal, said first step of controlling comprising:

(1) transferring at least one of computer software and output data to at least one storage location;

(2) storing said transferred at least one of computer software and output data; and

(3) transmitting said one of computer software and output data;

controlling a first ultimate receiver station on the basis of said first signal, said

first ultimate receiver station being one of said plurality of receiver stations, said second

step of controlling comprising:

(1)   processing subscriber data stored at said first ultimate receiver

station to deliver information content;

(2)   outputting said information content; and

(3)   transmitting from said first ultimate receiver station to a data

collection station designation data designating at least one of: (i) said at least one

of computer software and output data, (ii) said information content, and (iii) a

subscriber reaction to said information content; and

controlling said data collection station on the basis of said first signal;

wherein said data collection station performs at least one of the group consisting

of:

(a)   delivering a product or service in response to an order;

(b)   billing a subscriber;

(c)   auditing a subscriber record; and

(d)   supplying market research data.

239.   (**Amended**)   The method of claim 238, further comprising the steps of:

generating in said network a second signal including at least one control

instruction; and

adding said second signal to an information transmission including mass medium

programming.

240.   (**Amended**)   The method of claim 238, further comprising the steps of:

placing data selected at at least one of an intermediate transmission station and an ultimate receiver station into higher language code, said intermediate transmission station and said ultimate receiver station being in said network; and

assembling said higher language code and said placed data.

241. (Unchanged) The method of claim 238, wherein mass medium programming is communicated in response to a control signal, said method further comprising the steps of:

selecting at least one of a television, radio, print, and combined medium program; and

controlling a selective transfer device to communicate said selected at least one of a television, radio, print, and combined medium program to at least one of a processor and an output device.

242. (Amended) A method of signal processing in a network, said method comprising the steps of:

selecting at least one of computer software and output data at a transmitter station;

communicating said selected at least one of computer software and output data in at least one control instruction, said at least one control instruction being effective at a first receiver station to:

(1) output information content in video, audio, or print based on pre-stored subscriber data;

(2) transmit said pre-stored subscriber data to a second receiver station, and, in said network;

(3) perform at least one of the group consisting of:

(a) delivering a product or service in response to an order;

(b) billing a subscriber;

(c)   auditing a subscriber record; and

(d)   supplying market research data; and

transmitting said at least one control instruction to said first receiver station.

243.   (Unchanged)   The method of claim 242, wherein said at least one control instruction operates to deliver mass medium programming at an output device at said second receiver station, said method further comprising the step of transmitting at least one of a video, audio, print, television, and combined medium program.

244.   **(Amended)**   A method of signal processing in a network, said method comprising the steps of:

receiving a command;

receiving at least one instruct signal which is effective to perform at least one of:

(1)   effecting a first transmitter station to select at least one of computer software and output data, and transmit a signal including said selected at least one of computer software and output data in at least one control instruction, said control instruction operating at at least one receiver station in said network to perform at least one of the group consisting of:

(a)   delivering a product or service in response to an order;

(b)   billing a subscriber;

(c)   auditing a subscriber record; and

(d)   supplying market research data; and

(2)   effecting a first receiver station in said network to: (i) output information content based on subscriber data, (ii) transmit said information content to a second receiver station, and (iii) control said network to perform at least one of the group consisting of:

(a)   delivering a product or service in response to an order;

(b)   billing a subscriber;

(c)   auditing a subscriber record; and

(d)   supplying market research data;

receiving a control signal which operates at at least one of said transmitter station and said first receiver station to communicate said at least one instruct signal to a transmitter; and

transmitting said control signal, said command and said at least one instruct signal.

245.   **(Amended)**   The method of claim 244, wherein said command is operative to control the transmission of mass medium programming, said method further comprising at least one step from the group consisting of:

transmitting said mass medium programming to at least one of said first receiver station and said second receiver station in accordance with said command;

transmitting said mass medium programming from said first receiver station in accordance with said command; and

controlling a selective transfer device to communicate said mass medium programming from said first receiver station in accordance with said command.

246.   (Unchanged)   The method of claim 244, wherein said command is a transmission schedule, said method further comprising the step of transmitting mass medium programming and a second of said at least one instruct signal according to said transmission schedule.

247.   **(Amended)**   A method of signal processing in a network, said network having a plurality of receiver stations, said method comprising the steps of:

receiving at a first receiver station a signal transmitted from a remote transmitter station, said first receiver station being at least one of said plurality of receiver stations;

selecting computer software at said first receiver station based on information included in said signal;

transmitting said computer software from said first receiver station to a second receiver station, said second receiver station being at least one of said plurality of receiver stations;

processing subscriber data stored at said second receiver station based on said computer software; and

transmitting said subscriber data from said second receiver station to a third receiver station, said third receiver station being at least one of said plurality of receiver stations;

performing at said third receiver station at least one of the group consisting of:

    (a)   delivering a product or service in response to an order;

    (b)   billing a subscriber;

    (c)   auditing a subscriber record; and

    (d)   supplying market research data.

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248.   (Unchanged) The method of claim 247, wherein said signal is one of a television and radio signal, said method further comprising the step of detecting at least one control instruction in said signal.

249.   (Unchanged) The method of claim 247, wherein said signal is a multichannel signal, said method further comprising the steps of:

selecting at least a portion of said multichannel signal in which to search for at least one control instruction; and